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NOTICE OF ALLOWANCE AND FEE(S) DUE

23911

7590

11/06/2009

CROWELL & MORING LLP INTELLECTUAL PROPERTY GROUP P.O. BOX 14300 WASHINGTON, DC 20044-4300 EXAMINER

NGUYEN, CUONG H

ART UNIT PAPER NUMBER

3661 DATE MAILED: 11/06/2009

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/529.365 | 03/28/2005 | Takashi Nomura | 029267.56084US | 4787 |

TITLE OF INVENTION: MAP DATA PRODUCT AND MAP DATA PROCESSING DEVICE

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$0 | \$1440 | \$1510 | 02/08/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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| 23911 | | 5/2009 | | Certific | ate of Mailing or Trans | smission | |
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| WASHINGTON | N, DC 20044-4300 | | | | | (Depositor's name) | |
| | | | | | | (Signature) | |
| | | | | | | (Date) | |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | AT | TORNEY DOCKET NO. | CONFIRMATION NO. | |
| 10/529,365 | 03/28/2005 | | Takashi Nomura | | 029267.56084US | 4787 | |
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| nonprovisional | NO | \$1510 | \$0 | \$1440 | \$1510 | 02/08/2010 | |
| EXAM | IINER | ART UNIT | CLASS-SUBCLASS | | | | |
| NGUYEN, | CUONG H | 3661 | 701-208000 | • | | | |
| Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). □ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. □ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. | | | (1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a | e of a single firm (having as a member a torney or agent) and the names of up to patent attorneys or agents. If no name is | | | |
| PLEASE NOTE: Unl | less an assignee is ident th in 37 CFR 3.11. Comp | ified below, no assignee | THE PATENT (print or type data will appear on the part of the part | atent. If an assignee is assignment. | | locument has been filed for | |
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| 4a. The following fee(s) | are submitted: | 41 | b. Payment of Fee(s): (Plea | se first reapply any p | reviously paid issue fee | shown above) | |
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| | ns SMALL ENTITY state | | b. Applicant is no long | | | FR 1.27(g)(2). the assignee or other party in | |
| interest as shown by the | records of the United Sta | ites Patent and Trademark | office. | ne applicant, a register | ou autorney of agent, of the | te assignee of other party in | |
| Authorized Signature | | | | Date | | | |
| Typed or printed name | | | | = | | | |
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| 23911 75 | 590 11/06/2009 | | EXAM | INER |
| CROWELL & MORING LLP | | | NGUYEN, | CUONG H |
| INTELLECTUAL PROPERTY GROUP | | | ART UNIT | PAPER NUMBER |
| P.O. BOX 14300 WASHINGTON, I | DC 20044-4300 | | 3661 DATE MAILED: 11/06/200 | 9 |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

| | Application No. | Applicant(s) |
|--|--|--|
| | 10/529,365 | NOMURA, TAKASHI |
| Notice of Allowability | Examiner | Art Unit |
| | CUONG H. NGUYEN | 3661 |
| The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-88 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31 | pears on the cover sheet with S (OR REMAINS) CLOSED in t 5) or other appropriate commun RIGHTS. This application is sul 13 and MPEP 1308. | his application. If not included ication will be mailed in due course. THIS |
| 1. This communication is responsive to 6/09/29 (an amendr | <u>ment)</u> . | |
| 2. The allowed claim(s) is/are <u>1-7,9,11-12,14-18,20-21; the</u> | y are renumbered as claims 1-1 | 7; formal drawings are accepted. |
| 3. Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be substituted in the substitute of DATE of the substitute of DRAWINGS (as "replacement sheets") must be considered in the substitute of DRAWINGS (as "replacement sheets") must be considered in the substitute of DRAWINGS (as "replacement sheets") must be considered in the substitute of DRAWINGS (as "replacement sheets") must be considered in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substitute of DRAWINGS (as "replacement sheets") must be substituted in the substituted in the su | we been received. we been received in Application locuments have been received in a locuments have been received in a locument of this communication to file a locument of this application. mitted. Note the attached EXAM wes reason(s) why the oath or do ust be submitted. | No In this national stage application from the reply complying with the requirements MINER'S AMENDMENT or NOTICE OF eclaration is deficient. |
| (a) ☐ including changes required by the Notice of Draftspe | | PTO-948) attached |
| 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examine Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in | r's Amendment / Comment or in | drawings in the front (not the back) of |
| 6. ☐ DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMEN ⁻ | osit of BIOLOGICAL MATER | RIAL must be submitted. Note the |
| Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), |) 6. ☐ Interview Sun Paper No./M 7. ☑ Examiner's A | rmal Patent Application nmary (PTO-413), ail Date mendment/Comment tatement of Reasons for Allowance |
| /CUONG H. NGUYEN/ | | |
| Primary Examiner, Art Unit 3661 | | |

Application/Control Number: 10/529,365 Page 2
Art Unit: 3661

- 1. This Office Action is an answer for the Amendments to the Claims received on 6/09/2009.
- 2. Claims 1-7, 9, 11-12, 14-18, and 20-21 are pending.

Information Disclosure Statement

3. An IDS filed on 10/29/2009 is considered.

Examiner's amendment:

4. This amendment was made to correct minor error in pending claim 21. Should the change(s) be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been agreed to amend as follows:

Claim 21, line 4, replace "that is", with --; --.

Allowable subject matter

- 5. Pending claims 1-7, 9, 11-12, 14-18, and 20-21 are patentable over a cited reference of Fukuchi et al. (US Pat. 6,546,334), because this prior art does not make obvious a map data processing apparatus, comprising:
- a recording medium drive unit having loaded therein a recording medium that is a data product having recorded therein map data, readable by one of a computer and a map data processing apparatus, comprising:
- map data including map-related information related to a map, wherein:

 the map-related information includes a compilation of a plurality of information elements

 the map-related information being updateable in units of the individual information elements at

Application/Control Number: 10/529,365

Art Unit: 3661

the map data processing apparatus;

the map-related information includes management information used to manage the map-related information, which is also updated when the map-related information is updated in units of the individual information elements; and

Page 3

roads are each indicated as a link string having a plurality of continuous links, with nodes representing points on the roads and each link representing a road portion connecting two adjacent nodes; and

the information elements each correspond to information related to a link string and the map-related information is updated in units of link strings, wherein a plurality of levels each corresponding to one of a plurality of scaling factors of the map are defined; a level corresponding to a scaling factor with a smaller value that renders the map as a wider area map is designated as a higher-order level; a plurality of sets of map-related information are provided each in correspondence to one of the plurality of levels; and the node position information included in the information related to the link string at a specific level contains node position information of a node at the specific level and node position information on a node at a lower-order level corresponding to the node at the specific level;

a nonvolatile memory;

an update data acquisition unit that acquires update data used to update map-related information in units of the individual information units and stores the update data into the nonvolatile memory; and

a processing unit that processes map data based upon the map data recorded in the recording medium and the update data stored in the nonvolatile memory.

Application/Control Number: 10/529,365 Page 4

Art Unit: 3661

Conclusion

6. Claims 1-7, 9, 11-12, 14-18, and 20-21 are allowed; they are renumbered as claims 1-17.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CUONG H. NGUYEN whose telephone number is 571-272-6759 (email address: cuong.nguyen@uspto.gov). The examiner can normally be reached on 8:30 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, THOMAS G. BLACK can be reached on 571-272-6956. The Rightfax number for the organization where this application is assigned is 571-273-6956.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/CUONG H. NGUYEN/ Primary Examiner Art Unit 3661